

U.S. Custom House
2nd & Chestnut St.
Philadelphia, Pa. 19106

Pacific Ocean Division

Honolulu
U.S. Army Engr. Dist.
Bldg. 230, Fort Shafter
Honolulu, Hi. 96858

North Central Division

Buffalo
U.S. Army Engr. Dist.
1776 Niagara St.
Buffalo, NY 14207

South Atlantic Division

Charleston
U.S. Army Engr. Dist.
P.O. Box 919
Charleston, SC 29402

Chicago
U.S. Army Engr. Dist.
219 S. Dearborn St.
Chicago, Il. 60604

Jacksonville
U.S. Army Engr. Dist.
P.O. Box 4970
Jacksonville, Fl. 32201

Detroit
U.S. Army Engr. Dist.
P.O. Box 1027
Detroit, Mi. 48231

Mobile
U.S. Army Engr. Dist.
P.O. Box 2288
Mobile, Al. 36628

Rock Island
U.S. Army Engr. Dist.
Clock Tower Bldg.
Rock Island, Il. 61201

Savannah
U.S. Army Engr. Dist.
P.O. Box 889
Savannah, Ga. 31402

St. Paul
U.S. Army Engr. Dist.
1135 USPO & Custom House
St. Paul, Mn. 55101

Wilmington
U.S. Army Engr. Dist.
P.O. Box 1890
Wilmington, NC 28402

North Pacific Division

Alaska
U.S. Army Engr. Dist.
P.O. Box 7002
Anchorage, Ak. 99510

South Pacific Division

Los Angeles
U.S. Army Engr. Dist.
P.O. Box 2711
Los Angeles, Ca. 90053

Portland
U.S. Army Engr. Dist.
P.O. Box 2946
Portland, Or. 97208

Sacramento
U.S. Army Engr. Dist.
650 Capital Mall
Sacramento, Ca. 95814

Seattle
U.S. Army Engr. Dist.
P.O. Box C-3755
Seattle, Wa. 98124

San Francisco
U.S. Army Engr. Dist.
211 Main Street
San Francisco, Ca. 94105

Walla Walla
U.S. Army Engr. Dist.
Bldg. 602, City-County Airport
Walla Walla, Wa. 99362

South Western Division

Albuquerque
U.S. Army Engr. Dist.
P.O. Box 1580
Albuquerque, NM 87103

Ohio River Division

Huntington
U.S. Army Engr. Dist.
P.O. Box 2127
Huntington, WV. 25721

Fort Worth
U.S. Army Engr. Dist.
P.O. Box 17300
Ft. Worth, Texas 76102

Louisville
U.S. Army Engr. Dist.
P.O. Box 59
Louisville, Ky. 40201

Galveston
U.S. Army Engr. Dist.
P.O. Box 1229
Galveston, Texas 77553

Nashville
U.S. Army Engr. Dist.
P.O. Box 1070
Nashville, Tn. 37202

Little Rock
U.S. Army Engr. Dist.
P.O. Box 867
Little Rock, Ar. 72203

Pittsburgh
U.S. Army Engr. Dist.
Federal Bldg.
1000 Liberty Ave.
Pittsburgh, Pa. 15222

Tulsa
U.S. Army Engr. Dist.
P.O. Box 61
Tulsa, Ok. 74102

U.S. Department of Agriculture Soil Conservation Service

The Soil Conservation Service (SCS) was established in 1935 to develop a national soil and water conservation program. SCS provides technical assistance to local conservation districts, sponsors of watershed protection projects, and other individuals and groups.

The SCS technical services include a number of flood-related activities. Soil surveys are made to determine soil use potentials and conservation strategies. SCS's plant materials centers are operated to assemble, test, and encourage the use of promising plant species in conservation programs. An inventory and monitoring system is maintained for planning the use of water and land resources. Snow surveys in western states are made to develop stream-flow forecasts. SCS's watershed studies provide a basis for developing coordinated water resource programs, and its floodplain management studies furnish technical data, assistance, and information for local floodplain management programs.



**Soil Conservation Service
Regional Boundaries**

Northwest

S.C.S. Alaska Office
Suite 129, Professional Bldg.
2221 E. Northern Lights Blvd.
Anchorage, Alaska 99504
(907) 276-4246

S.C.S. Colorado Office
Room 313
2490 West 26th Avenue
P.O. Box 17107
Denver, Colorado 80217
(303) 837-4275

S.C.S. Idaho Office
Room 345
304 North 8th St.
Boise, Idaho 83702
(208) 384-1601 Ext. 1601

S.C.S. Montana Office
Federal Building
P.O. Box 970
Bozeman, Montana 59715
(406) 587-5271 Ext. 4322

S.C.S. North Dakota Office
Federal Building
Rosser Avenue & Third St.
P.O. Box 1458
Bismarck North Dakota 58501
(701) 255-4011 Ext. 421

S.C.S. Oregon Office
Federal Office Building
1220 S.W. 3rd Avenue
Portland, Oregon 97209
(503) 221-2751

S.C.S. South Dakota Office
Federal Building
200 4th Street, S.W.
P.O. Box 1357
Huron, South Dakota 57350
(605) 352-8651

S.C.S. Utah Office
4012 Federal Building
125 South State St.
Salt Lake City, Utah 84138
(801) 524-5051

S.C.S. Washington Office
360 U.S. Courthouse
W. 920 Riverside Avenue
Spokane, Washington 99201
(509) 456-3711

S.C.S. Wyoming Office
Federal Office Building
P.O. Box 2440
Casper, Wyoming 82601
(307) 265-5550

Southwest

S.C.S. Arkansas Office
Federal Building, Room 5029
700 West Capitol Street
PO. Box 2323
Little Rock, Arkansas 72203
(501) 378-5445

S.C.S. Arizona Office
3008 Federal Building
230 N. 1st. Ave.
Phoenix, Arizona 85025
(602) 261-6711

S.C.S. California Office
2828 Chiles Road
Davis, California 95616
(916) 758-2200 Ext. 210

S.C.S. Hawaii Office
300 Ala Moana Blvd.
Room 4316
P.O. Box 5004
Honolulu, Hawaii 96850
(808) 546-3165

S.C.S. Louisiana Office
3737 Government Street
P.O. Box 1630
Alexandria, Louisiana 71301
(318) 448-3421

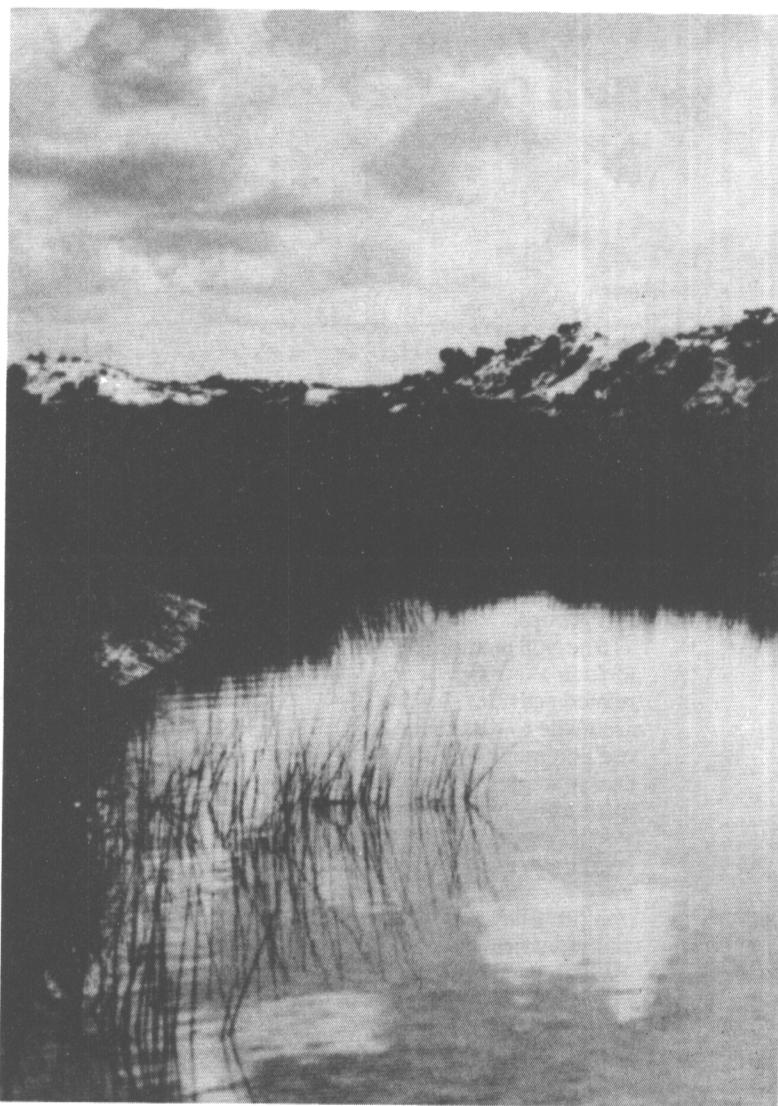
S.C.S. Nevada Office
U.S. Post Office Building
P.O. Box 4850
Reno, Nevada 89505
(702) 784-5304

S.C.S. New Mexico Office
517 Gold Avenue, S.W.
P.O. Box 2007
Albuquerque, New Mexico
87103
(505) 766-2173

S.C.S. Oklahoma Office
Agriculture Building
Farm Road & Brumley Street
Stillwater, Oklahoma 74074
(405) 624-4360

S.C.S. Texas Office
W.B. Poage Federal Building
101 S. Main Street
P.O. Box 648
Temple, Texas 76501
(817) 773-1711

National Park Service



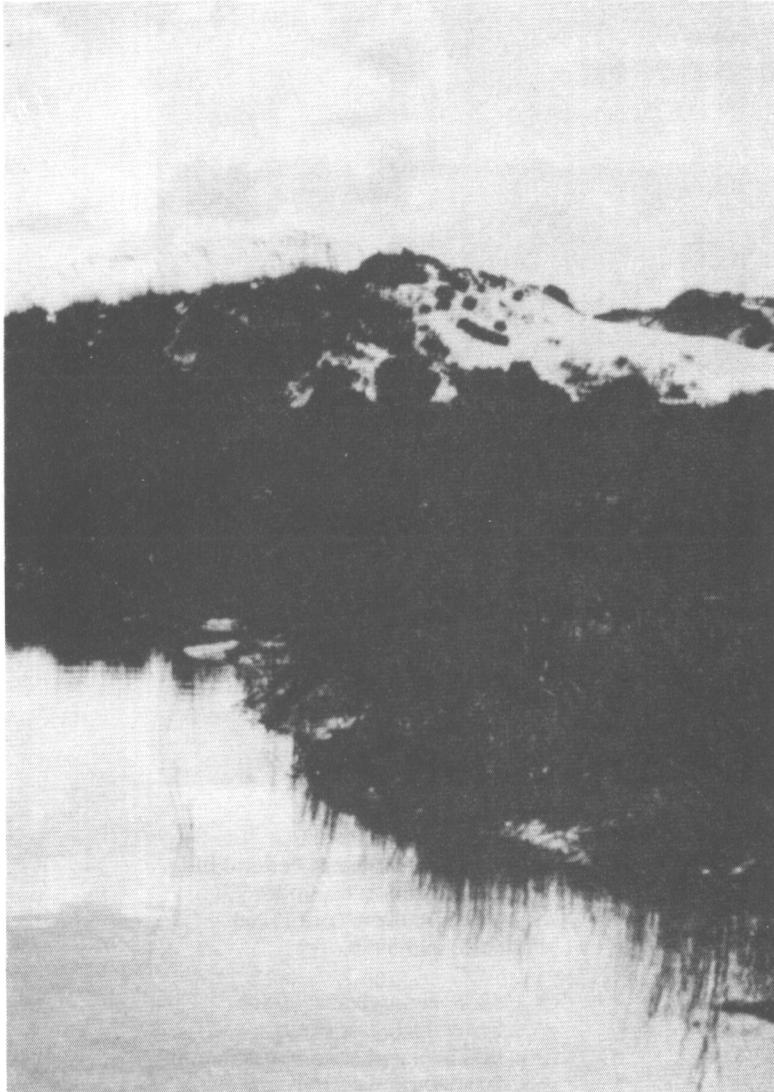
Midwest

S.C.S. Illinois Office
Federal Building
200 W. Church Street
P.O. Box 678
Champaign, Illinois 61820
(217) 356-3785

S.C.S. Indiana Office
Atkinson Square West
Suite 2200
5610 Crawfordsville Road
Indianapolis, Indiana 46224
(317) 269-3785

S.C.S. Iowa Office
693 Federal Building
210 Walnut St.
Des Moines, Iowa 50309
(515) 862-4260

S.C.S. Kansas Office
760 South Broadway
P.O. Box 600
Salina, Kansas 67401
(913) 825-9535



S.C.S. Michigan Office
Room 101
1405 South Harrison Road
East Lansing, Michigan 48823
(517) 372-1910

S.C.S. Minnesota Office
200 Federal Bldg., &
U.S. Courthouse
316 North Robert St.
St. Paul, Minnesota 55101
(612) 725-7675

S.C.S. Missouri Office
555 Vandiver Drive
Columbia, Missouri 65201
(314) 442-2271

S.C.S. Nebraska Office
Federal Building
U.S. Courthouse, Room 345
Lincoln, Nebraska 68508
(402) 471-5301

S.C.S. Ohio Office
Room 522
200 North High St.
Columbus, Ohio 43215
(614) 469-6785

S.C.S. Wisconsin Office
4601 Hammersvey Road
Madison, Wisconsin 53711
(608) 252-5351

Southeast

S.C.S. Alabama Office
Wright Building
138 South Gay St.
P.O. Box 311
Auburn, Alabama 36830
(205) 821-8070

S.C.S. Florida Office
Federal Building
Room 248
P.O. Box 1208
Gainesville, Florida 32602
(904) 377-8732

S.C.S. Georgia Office
Federal Building
355 E. Hancock Avenue
P.O. Box 832
Athens, Georgia 30603
(404) 546-2274

S.C.S. Kentucky Office
333 Waller Ave.
Lexington, Kentucky 40504
(606) 233-2749 Ext. 2749

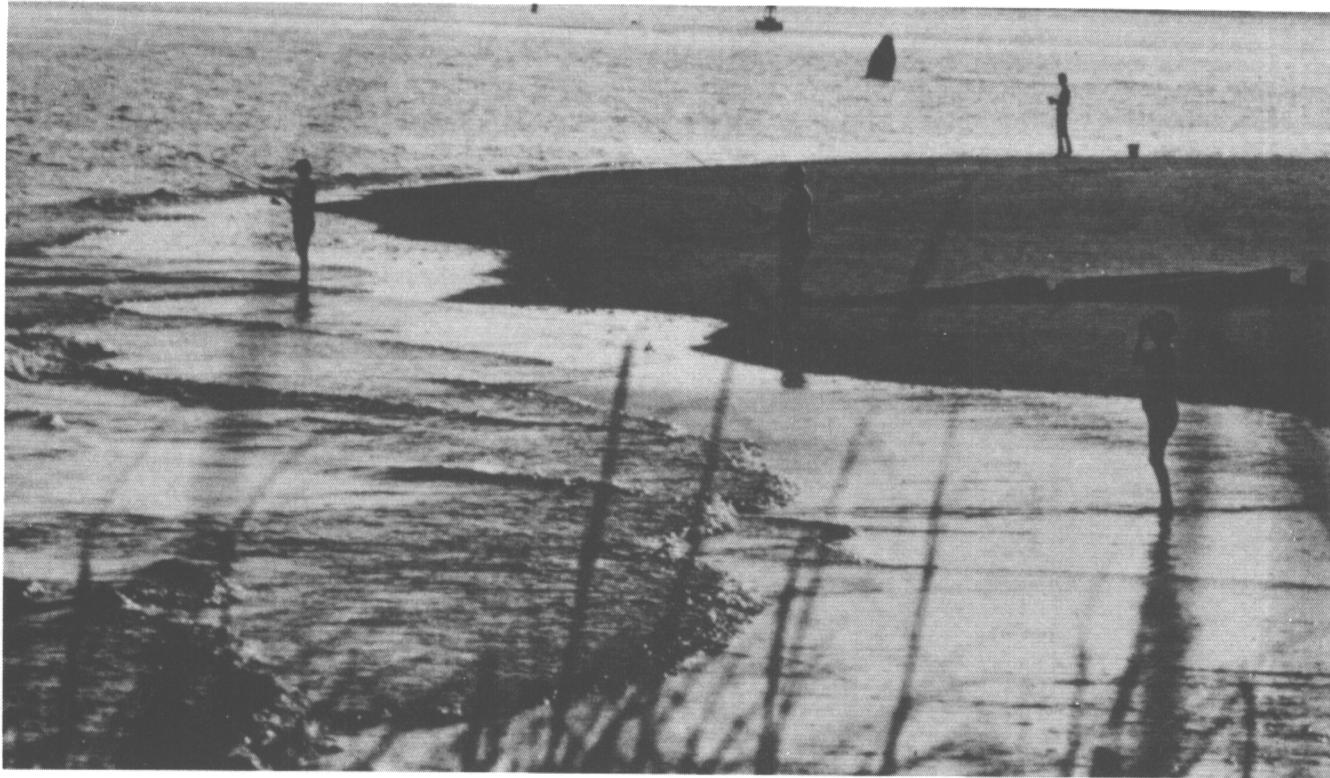
S.C.S. Mississippi Office
Milner Building, Room 590
210 South Lamar St.
P.O. Box 610
Jackson, Mississippi 39205
(601) 969-4330

S.C.S. North Carolina Office
310 New Bern Ave.,
Federal Building
Fifth Floor, P.O. Box 27307
Raleigh, North Carolina 27611
(919) 755-4165

S.C.S. Puerto Rico Office
Caribbean Area
Federal Office Bldg.,
Room 633, 6th Floor
Hato Rey, Puerto Rico, 00918
(809) 753-4206

S.C.S. South Carolina
240 Stoneridge Drive
Columbia, South Carolina 29210
(803) 765-5681

S.C.S. Tennessee Office
675 U.S. Courthouse
Nashville, Tennessee 37203
(615) 749-5471



Northeast

S.C.S. Connecticut Office
Mansfield Professional Park
Route 44A
Storrs, Connecticut 06268
(203) 429-9361/9326

S.C.S. Delaware Office
Treadway Towers, Suite 2-4
9 East Loockerman St.
Dover, Delaware 19901
(302) 678-0750

S.C.S. Maine Office
USDA Building
University of Maine
Orono, Maine 04473
(207) 866-2132/2133

S.C.S. Maryland Office
Room 522, Hartwick Building
4321 Hartwick Road
College Park, Maryland 20740
(301) 344-4180

S.C.S. Massachusetts Office
29 Cottage St.
Amherst, Massachusetts 01002
(413) 549-0650

S.C.S. New Hampshire Office
Federal Building
Durham, New Hampshire 03824
(603) 868-7581

S.C.S. New Jersey Office
1370 Hamilton St.
P.O. Box 219
Somerset, New Jersey 08873
(201) 246-1205 Ext. 20

S.C.S. New York Office
U.S. Courthouse & Federal Bldg.
100 S. Clinton St., Room 771
Syracuse, New York 13260
(315) 423-5493

S.C.S. Pennsylvania Office
Federal Bldg. & Courthouse
Box 985, Federal Square Station
Harrisburg, Pennsylvania 17108
(717) 782-4403

S.C.S. Rhode Island Office
222 Quaker Lane
West Warwick, Rhode Island 02893
(401) 828-1300

S.C.S. Vermont Office
Burlington Square, Suite 205
Burlington, Vermont 05401
(802) 862-6501 Ext. 6261

S.C.S. Virginia Office
Federal Bldg., Room 9201
400 N. 8th St.
P.O. Box 10026
Richmond, Virginia 23240
(804) 782-2457

S.C.S. West Virginia Office
75 High St.
P.O. Box 865
Morgantown, West Virginia 26505
(304) 599-7151

U.S. Department of the Interior Water and Power Resources Service

(Formerly, the Bureau of Reclamation)

Since 1902 the Department of the Interior has been authorized to construct and maintain facilities to develop water resources for the reclamation of arid and semiarid lands in 17 western states (see map). This responsibility has been fulfilled by the Bureau of Reclamation since 1907. In 1979 its name was changed to the Water and Power Resources Service. Included among the agency's activities are programs for water conservation and flood control, as well as studies of riverbasins and watersheds. The Service can provide water-related information and technical assistance for areas in the states in which it operates.



**Bureau of Reclamation
Water and Power Resources Service Offices**

Pacific Northwest

Regional Director, Federal Bldg.
and U.S. Courthouse
Box 043-550, West Fort St.
Boise, Idaho 83724

Mid-Pacific

Regional Director, Federal Bldg.
2800 Cottage Way
Sacramento, California
95825

Lower Colorado

Regional Director
P.O. Box 427
Administration Bldg.
Boulder City, Nevada
89005

Upper Colorado

Regional Director
P.O. Box 11568
125 So. State St.
Salt Lake City, Utah
84147

Southwest

Regional Director
Herring Plaza
Box H-4377
Amarillo, Texas
79101

Upper Missouri

Regional Director
P.O. Box 2553
Federal Bldg.
316 No. 26th St.
Billings, Montana
59103

Lower Missouri

Director
P.O. Box 25247
Building 20
Denver, Colorado
80225

U.S. Geological Survey State Offices

The U.S. Geological Survey (USGS) has existed since 1879, carrying out research throughout the country on topography, geology, and mineral and water resources. USGS has a number of interests, including resource conservation, geologic studies, mapping, and land and water analysis.

The USGS provides hydrologic data for optimum management of the nation's water resources. It collects data for the evaluation of water qual-

ity and quantity, conducts water resource appraisals of the characteristics of surface and ground water, coordinates other federal agencies' water-related research, and provides technical assistance on hydrologic issues to federal, state, and local agencies. As part of its mission, the USGS disseminates water data and research results through reports, maps, and computerized information services.

Alabama

University
District Chief
Alabama District Office USGS WRD
P.O. Box V
FTS 229-2957 COM 205-752-8104

Alaska

Anchorage
District Chief
District Office USGS WRD
Skyline Bldg., 218 E. Street
FTS 339-0150 COM 907-277-5526

Arizona

Tucson
District Chief
Arizona District Office USGS WRD
Fed. Bldg., 301 West Congress
FTS 762-6671 COM 602-792-6671

Arkansas

Little Rock
District Chief
Arkansas District Office USGS WRD
2301 Federal Bldg.
700 W. Capitol Ave.
FTS 740-5246 COM 501-378-5246

California

Menlo Park
District Chief
California District Office USGS WRD
855 Oak Grove Avenue
FTS 467-2328 COM 415-323-8111

Colorado

Lakewood
District Chief
Colorado District Office USGS WRD
Denver Fed Center MS 415
PO. Box 25046
FTS 234-5092 COM 303-234-5092

Connecticut

Hartford
District Chief
Connecticut District Office USGS WRD
RM 235 Post Office Bldg.
FTS 244-2528 COM 203-244-2528

Delaware

Dover
Subdistrict Chief
Subdistrict Office USGS WRD
300 S. New St., Federal Bldg.
Rm. 1201
FTS 487-5128 COM 302-734-2506

Florida

Tallahassee
District Chief
Florida District Office USGS WRD
Suite F-240, 325 John Knox D.
FTS 946-4251 COM 904-386-111A

Georgia

Doraville
District Chief
Georgia District Office USGS WRD
6481 Peachtree Indust. Blvd. Suite 8
FTS 285-4858 COM 404-526-4858

Hawaii

Honolulu
District Chief
Hawaii District Office USGS WRD
5th Floor, 1833 Kalakawa Ave.
FTS 556-022USAFCOM 955-0251

Idaho

Boise
District Chief
Idaho District Office USGS WRD
P.O. Box 036, Rm 365 FEd. Bldg.
550 W. Fort St.
FTS 554-1750 COM 208-384-1750

Illinois

Champaign
District Chief
Illinois District Office USGS WRD
P.O. Box 1026, 605 N. Neil St.
FTS 958-9137 COM 217-359-3918

Indiana

Indianapolis
District Chief
Indiana District Office USGS WRD
1819 North Meridian St.
FTS 313-7101 COM 317-269-7101

Iowa

Iowa City
District Chief
Iowa District Office USGS WRD
Rm 269 Fed. Bldg., 400 S. Capitol St.
P.O. Box 1230
FTS 863-6521 COM 319-338-05A1



Kansas	Lawrence District Chief Kansas District Office USGS WRD 1950 Ave., "A" Campus West Univ. Kansas FTS 752-2300 COM 913-864-4321	Minnesota	St. Paul District Chief Minnesota District Office USGS WRD Room 1033 P.O. Bldg. FTS 725-7841 COM 612-725-7841
Kentucky	Louisville District Chief Kentucky District Office USGS WRD 572 Federal Bldg., 600 Federal Place FTS 352-5241 COM 502-582-5241	Mississippi	Jackson District Chief Mississippi District Office USGS WRD 430 Bounds Street FTS 490-4600 COM 601-969-4600
Louisiana	Baton Rouge District Chief Louisiana District Office USGS WRD PO. Box 66492, 6554 Florida Blvd. FTS 687-4281 COM 504-387-0181	Missouri	Rolla District Chief Missouri District Office USGS WRD P.O. Box 340 FTS 276-9185 COM 314-364-36HO
Maine	Augusta Subdistrict Chief Subdistrict Office USGS WRD State House Annex-Capitol Shopping Ctr. FTS 833-6280 COM 207-289-3484	Montana	Helena District Chief District Office USGS WRD Rm 421 Fed. Bldg., 316 N. Park Ave. P.O. Box 1696 FTS 585-5263 COM 406-449-5011
Maryland	Towson District Chief District Office USGS WRD 208 Carroll Building, 8600 La Salle Rd. FTS 920-3311 COM 301-828-1535	Nebraska	Lincoln District Chief Nebraska District Office USGS WRD Rm 406 Fed. Bldg. & US CRTHS 100 Centennial Mall N. FTS 867-5082 COM 402-471-5082
Massachusetts	Boston District Chief Central New England District Office USGS W C Suite 1001, 150 Causeway St., 10th Floor FTS 223-2822 COM 617-223-2822	Nevada	Carson City District Chief Nevada District Office USGS WRD 229 Federal Bldg., 705 N. Plaza St. FTS 598-5911 ASKCOM 702-882-1388
Michigan	Okemos District Chief Michigan District Office USGS WRD 2400 Science Pkwy., Red Cedar Research FTS 374-1561 COM 517-372-1910	New Hampshire	Concord Subdistrict Chief Subdistrict Office USGS WRD Rm 307 Federal Bldg 55 Pleasant St. FTS 834-4740 COM 603-224-7273

New Jersey

Trenton
District Chief
District Office USGS WRD
Rm 420 Fed. Bldg., 402 E. State St.
P.O. Box 123A
FTS 340-3212 COM 609-599-3511

South Dakota

Huron
District Chief
South Dakota District
Office USGS WRD
P.O. Box 1412, Rm 231 Fed. Bldg.
FTS 782-2258 COM 605-352-8651

New Mexico

Albuquerque
District Chief
New Mexico District Office USGS WRD
PO. Box 26659
FTS 474-2246 COM 505-766-3357

Tennessee

Nashville
District Chief
Tennessee District Office USGS WRD
A-413 Federal Bldg.
FTS 852-5424 COM 615-749-5424

New York

Albany
District Chief
New York District Office USGS WRD
P.O. Box 1350, 343 PO & Court House
FTS 562-3107 COM 518-472-3107

Texas

Austin
District Chief
Texas District Office USGS WRD
649 Federal Bldg., 300 East 8th
FTS 734-5766 COM 512-397-5766

North Carolina

Raleigh
District Chief
North Carolina District Office USGS WRD
PO. Box 2857, Rm 440 Century Sta.,
PO. Bldg.
FTS 672-4510 COM 919-755-4510

Utah

Salt Lake City
District Chief
Utah District Office USGS WRD
8002 Federal Bldg., 125 So. State St.
FTS 588-5663 COM 801-524-5663

North Dakota

Bismarck
District Chief
North Dakota District Office WRD
P.O. Box 778, Rm. 332 New Fed. Bldg.
FTS 783-4227 COM 701-255-4011

Vermont

Montpelier
Hydrologist In Charge
Field Headquarters USGS WRD
8 E. State St., P.O. Box 628
FTS 832-2393 COM 802-223-8610

Ohio

Columbus
District Chief
Ohio District Office USGS WRD
975 West Third Ave.
FTS 943-5553 COM 614-469-5553

Virginia

Richmond
District Chief
Virginia District Office USGS WRD
Room 304, 200 West Grace St.
FTS 925-2427 COM 804-782-2427

Oklahoma

Oklahoma City
District Chief
Oklahoma District Office USGS WRD
Rm 621, 201 N.W. 3rd St.
FTS 736-4256 COM 405-231-4256

Washington

Tacoma
District Chief
Washington District Office USGS WRD
Room 300, 1305 Tacoma Ave., South
FTS 390-6510 COM 206-593-6510

Oregon

Portland
District Chief
Oregon District Office USGS WRD
830 NE Holladay St., P.O. Box 3202
FTS 429-4776 COM 503-234-3361

West Virginia

Charleston
District Chief
West Virginia District Office USGS WRD
3303 Fed. Bldg. & US Courthouse
500 Quarrier St E.
FTS 924-1310 COM 304-343-6181

Pennsylvania

Carnegie
Hydrologist In Charge
Field Unit USGS WRD
Box 420
FTS 590-3468 COM 717-782-3468

Wisconsin

Madison
District Chief
Wisconsin District Office USGS WRD
Room 200, 1815 University Ave.
FTS 262-2488 COM 608-262-2488

Rhode Island

Providence
Subdistrict Chief
Subdistrict Office USGS WRD
224 Federal Building and
U.S. Post Office
FTS 838-4387

Wyoming

Cheyenne
District Chief
Wyoming District Office USGS WRD
P.O. Box 2087, 4015 Warren Ave.
FTS 328-2111 COM 307-778-2220

South Carolina

Columbia
District Chief
South Carolina District
Office USGS WRD
Suite 200, 2001 Assembly St.
FTS 677-5966 COM 803-765-5966

State Coordinating Offices for the National Flood Insurance Program

Each of the states, in cooperation with the Federal Emergency Management Agency, has designated a specific agency to coordinate implementation of the National Flood Insurance Program. This agency provides a link between federal, state, and local levels of government and between different state agencies with flood-related responsibilities. The designated agency will typically be a department responsible for natural resources, emergency services,

or physical development, and is a focal point for information relating to flood insurance and floodplain management. It can be an important source of physical data, information on community eligibility for flood insurance, relevant state regulations, references to other agencies, and, in some instances, technical assistance. The authority of each state's coordinating agency varies, and can best be determined through direct contact.

Alabama

Alabama Development Office
State Planning Division
State Capitol Bldg.
Montgomery, Alabama 36130
(205) 832-6400

Alaska

Department of Community & Regional Affairs
Pouch B
Juneau, Alaska 99811
(907) 276-1721

Arizona

Emergency Services Director
State of Arizona
Division of Emergency Services
5636 E. McDowell Rd.
Phoenix, Arizona 85008
(602) 258-8596

Arkansas

Division of Soil & Water Resources
State Department of Commerce
1818 W. Capitol Building A
Little Rock, Arkansas 72202
(501) 371-1611

California

State of California
Department of Water Resources
P.O. Box 388
Sacramento, California 95802
(916) 445-2985

Colorado

Colorado Water Conservation Board
Rm. 823
State Centennial Building
1313 Sherman Street
Denver, Colorado 80202
(303) 839-3441

Connecticut

Connecticut Department of Environmental Protection
State Office Bldg., Rm. 207
Hartford, Connecticut 06115
(203) 566-7245

Delaware

Office of Management, Budget, and Planning
Townsend Bldg., Third Floor
Dover, Delaware 19901

Florida

Department of Community Affairs
2571 Executive Ctr. Circle East
Howard Bldg.
Tallahassee, Florida 32301
(904) 488-7956

Georgia

Georgia Department of Natural Resources Environmental Protection Division
270 Washington Street, S.W.
Atlanta, Georgia 30334
(404) 656-5164

Hawaii

Hawaii Board of Land & Natural Resources
P.O. Box 621
Honolulu, Hawaii 96809
(808) 548-7642

Idaho

Idaho Department of Water Resources
Statehouse
Boise, Idaho 83720
(208) 384-2215

Illinois

Illinois Department of Transportation
Division of Water Resources
Local Floodplain Programs
300 North State Street
Room 1010
Chicago, Illinois 60610
(312) 793-3864

Indiana

Department of Natural Resources
608 State Office Building
Indianapolis, Indiana 46204
(317) 633-5267

Iowa

Iowa Natural Resources Council
Wallace State Office Building
Des Moines, Iowa 50319
(515) 281-5029

Kansas

Division of Water Resources
Kansas State Board of Agriculture
1720 South Topeka Avenue
Topeka, Kansas 66612
(913) 757-3717

Kentucky

Division of Water Resources
Kentucky Department of
Natural Resources
950 Leestown Road
Frankfort, Kentucky 40601
(502) 564-3980

Louisiana

Louisiana Department of Urban
& Community Affairs
5790 Florida Boulevard
Baton Rouge, Louisiana 70806
(504) 925-3718

Maine

Bureau of Civil Emergency
Preparedness
State House
Augusta, Maine 04330
(207) 622-6201

Maryland

Maryland Water Resources
Administration
Flood Control Section
Tawes State Office Building
D-2
Annapolis, Maryland 21401
(301) 269-3826

Massachusetts

Massachusetts Water
Resources Commission
State Office Building
100 Cambridge Street
Boston, Massachusetts 02202
(617) 727-3267

Michigan

Water Management Division
Michigan Department of Natural
Resources
Post Office Box 30028
Lansing, Michigan 48909
(517) 373-3930

Minnesota

Minnesota Department of Natural
Resources
Land Use Management Section
Division of Waters
St. Paul, Minnesota 55101
(612) 296-4803

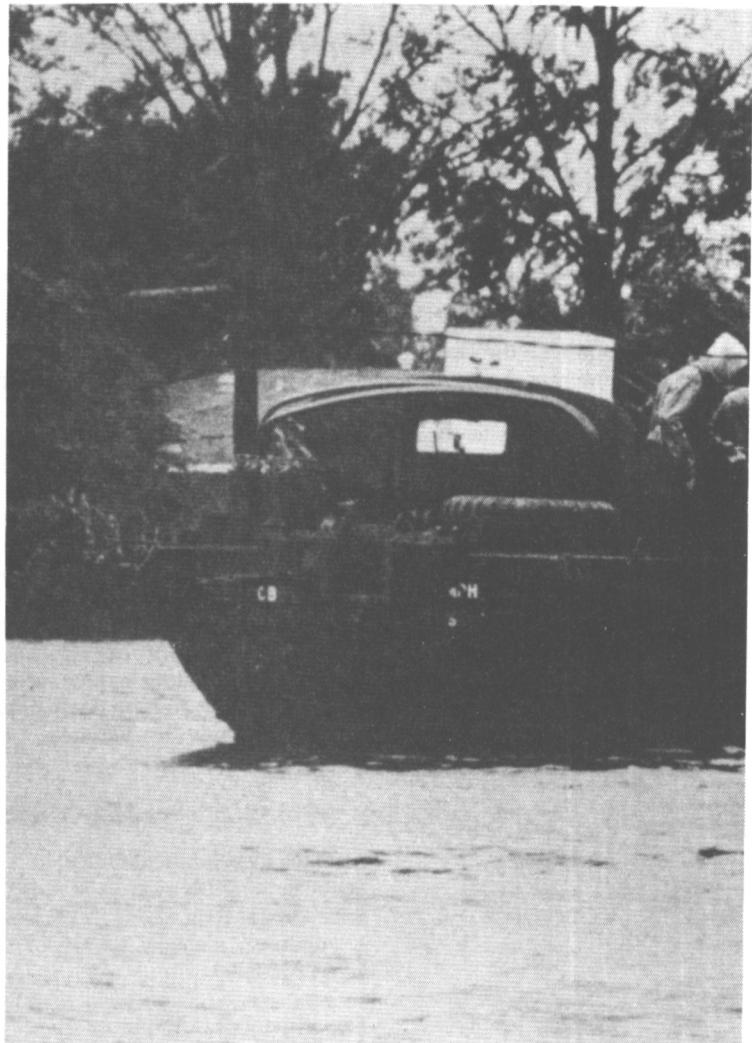
Mississippi

Mississippi Research & Development
Center
Post Office Drawer 2470
Jackson, Mississippi 39205
(601) 982-6376

Missouri

Disaster Planning & Operations
Office
Post Office Box 116
Jefferson City, Missouri 65102
(314) 751-2321

Department of Housing and Urban Development

**Montana**

Montana Department of Natural
Resources & Conservation
32 South Ewing Street
Helena, Montana 59601
(406) 449-2864

Nebraska

Nebraska Natural Resources
Commission
Post Office Box 94876
Lincoln, Nebraska 68509
(402) 471-2081

Nevada

Department of Conservation
& Natural Resources
Capitol Complex
201 S. Fall Street
Carson City, Nevada 89710
(702) 885-4380

New Hampshire

New Hampshire Office of State
Planning
2½ Beacon Street
Concord, New Hampshire 03301
(603) 271-2155

**New Jersey**

New Jersey Department of Environmental Protection
Post Office Box CN 029
Trenton, New Jersey 08625
(609) 292-2296

New Mexico

State Engineer's Office
Bataan Memorial Building
Santa Fe, New Mexico 87501
(505) 827-2135

New York

New York State Department of Environmental Conservation
Water Management
50 Wolf Road—Room 618
Albany, New York 12233
(518) 457-3157

North Carolina

Division of Community Assistance
Department of Natural & Economic Resource
PO. Box 27687
Raleigh, North Carolina
(919) 733-2850

North Dakota

State Water Commission
State Office Building
900 E. Boulevard
Bismark, North Dakota 58501
(701) 224-2750

Ohio

Ohio Department of Natural Resources
Flood Plain Management Unit
Fountain Square & Building E
Columbus, Ohio 43224
(614) 466-6020

Oklahoma

Oklahoma Water Resources Board
12th Floor, Northeast
10th & Stonewall
Oklahoma City, Oklahoma 73105
(405) 271-2555

Oregon

Oregon Water Resources Department
Milcreek Office Park
Salem, Oregon 97310
(503) 378-3671

Pennsylvania

Department of Community Affairs
216 South Office Building
Capitol Complex—Room 506
Harrisburg, Pennsylvania 17120
(717) 787-7400

Puerto Rico

Puerto Rico Department of Natural Resources
Post Office Box 5887
Puerta de Trera, Puerto Rico 00906
(809) 726-5710

Rhode Island

Statewide Planning Program
Rhode Island Office of State Planning
265 Melrose Street
Providence, Rhode Island 02907
(401) 277-2656

South Carolina

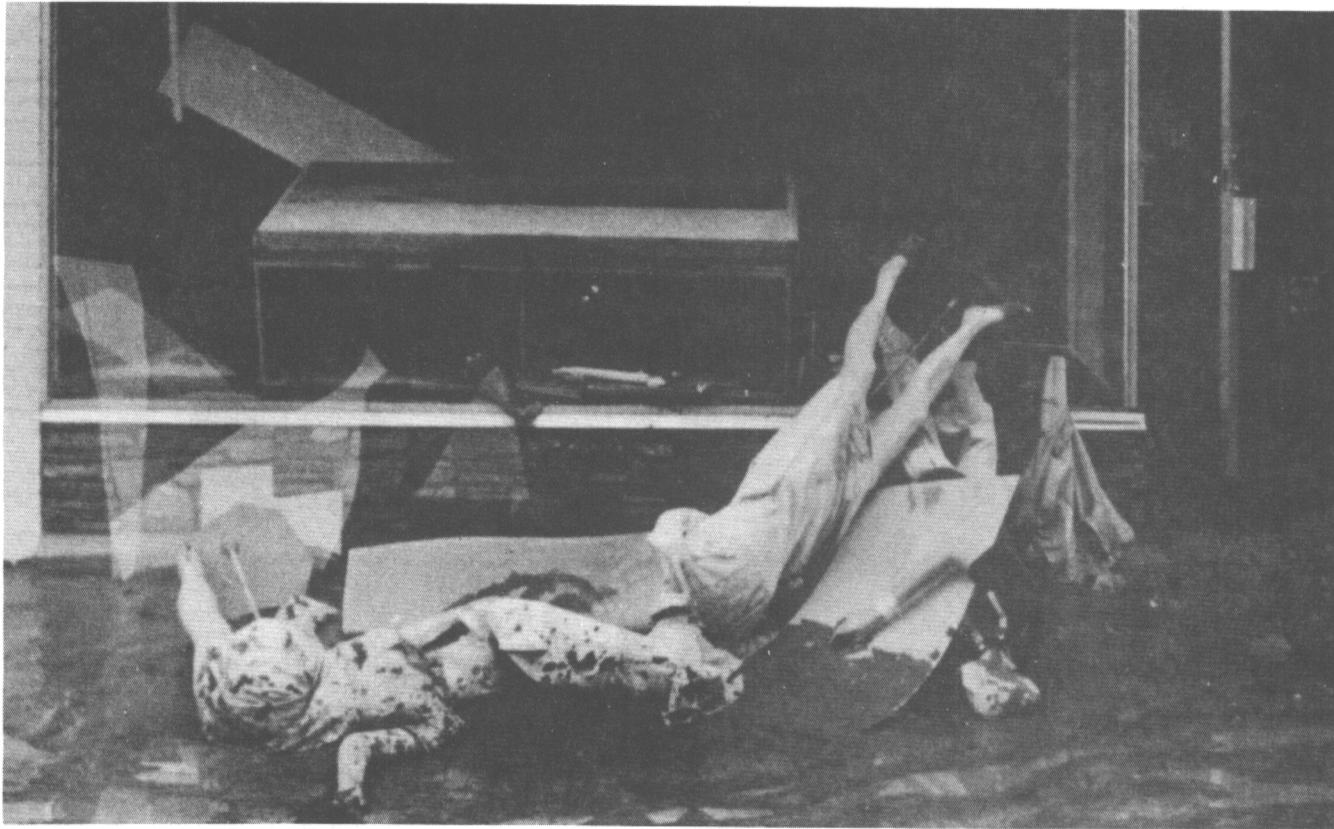
South Carolina Water Resources Commission
Post Office Box 4515
3830 Fore Drive
Columbia, South Carolina 29240
(803) 758-2514

South Dakota

South Dakota Planning Bureau
State Capitol
Pierre, South Dakota 57501
(605) 224-3661

Tennessee

Tennessee State Planning Office
660 Capitol Hill Building
Nashville, Tennessee 37219
(615) 741-2211



Pennsylvania

Division of Industrialized and
Mobile Housing
Education Building, Room 503
P.O. Box 155
Harrisburg, Pennsylvania 17120
(717) 787-9682
(Mobile Homes)

Rhode Island

State Building Commissioner
State Building Commission
12 Humbert Street
North Providence, Rhode Island 02911
(401) 277-3032
(Mobile Homes)

Texas

Division of Disaster Emergency
Services
Texas Department of Public
Safety
5805 N. Lamar Boulevard
Post Office Box 4087
Austin, Texas 78773
(512) 475-2171

Utah

Utah Department of Public Safety
317 State Office Building
Salt Lake City, Utah 84114
(801) 533-5401

Vermont

Department of Water Resources
Vermont Agency of Environmental
Conservation
State Office Building
Montpelier, Vermont 05602
(802) 828-2761

Virginia

Virginia State Water Control Board
Post Office Box 71143
Richmond, Virginia 23220
(804) 257-0056

Washington

Department of Ecology
St. Martin's College
Abbot Raphael Hall
Olympia, Washington 98504
(206) 754-2040

West Virginia

Disaster Recovery Office
1591 Washington Street, East
Charleston, West Virginia 23505
(304) 348-2246

Wisconsin

Department of Natural Resources
Flood Plain-Shoreline
Post Office Box 7921
Madison, Wisconsin 53707
(608) 266-0161

Wyoming

Wyoming Disaster & Civil Defense
Agency
P.O. Box 1709
5500 Bishop Boulevard
Cheyenne, Wyoming 82001
(307) 777-7566

Flood-Related Building Codes

Building codes can be part of a community's legal mechanisms for reducing flood damage. The Building Officials and Code Administrators (BOCA) model code, which is used as a guide in many parts of the country, includes several sections meant to mitigate flood damage. Many communities may have similar requirements, and the designer should consult with local or state building officials to ascertain the flood-related codes that are in effect. Below are relevant excerpts from the BOCA model code, followed by a list of the state agencies that coordinate or enforce building codes within their respective jurisdictions.

Excerpts for the Building Code Officials and Code Administrators (BOCA) Model Code

Section 709.0 Special Loads

- 709.1 General: Provisions shall be made for all special loads herein prescribed and all other special loads to which the building or structure may be subjected.
- 709.2 Below Grade: All retaining walls and other walls below grade shall be designed to resist lateral soil pressures with due allowance for hydrostatic pressure and for all superimposed vertical loads.
- 709.3 Hydrostatic Uplift: All foundation slabs and other footings subjected to water pressure shall be designed to resist a uniformly distributed uplift equal to the full hydrostatic pressure.

Section 870.0 Retaining walls

- 870.1 General: Walls built to retain or support the lateral pressure of earth or water or other superimposed loads shall be designed and constructed of approved masonry, reinforced concrete, steel sheet piling, or other approved materials within the allowable stresses of accepted engineering practice. . . .
- 870.2 Design: Retaining walls shall be designed to resist the pressure of the retained material, including both dead and live load surcharges to which they may be subjected, and to insure stability against overturning, sliding, excessive foundation pressure, and water uplift.
- 870.3 Hydrostatic Pressure: Unless drainage is provided, the hydrostatic head of water pressure shall be assumed equal to the height of the wall.

Section 872.0 Waterproofing and Floodproofing

- 872.1 General: The exterior structural elements of all buildings herein specified shall be waterproofed in ac-

cordance with the approved rules.

872.2 Steel Frame: Exterior steel columns and girders, before embedment in masonry of the required fire-resistance rating specified . . . , shall be protected from moisture by approved waterproofing material, a parging coat of cement mortar or by a minimum of eight (8) inches of weather-tight masonry.

872.3 Chases: The backs and sides of all chases in exterior walls with less than eight (8) inches of approved masonry to the exterior surface shall be insulated and waterproofed.

872.4 Foundations: Exterior walls below grade and the cellar floors of all buildings for institutional and residential uses (use groups I and R) enclosing habitable or occupiable rooms or spaces below grade shall be made watertight, and when necessary shall be reinforced to withstand water pressure as prescribed in Sections 709.0 and 870.0. The basement walls of buildings in the residential use groups and the walls of all habitable and occupiable rooms and spaces below grade shall be protected with not less than a one (1) coat application of approved waterproofing paint, or a one-half (%) inch parging coat of portland cement mortar or other approved damp-proof covering.

872.4.1 Subsoil Drains: Subsoil drains shall be provided around foundations enclosing habitable or usable spaces located below grade and which are subjected to ground water conditions. Drains shall be installed at or below the area to be protected and shall discharge by gravity or by mechanical means into an approved drainage system complying with the plumbing code listed in Appendix B (of the codes).

872.5 Types of Waterproofing: The processes and methods used to render buildings, structures or parts thereof watertight as herein required shall comply with accepted engineering practice covering types of waterproofing.

872.6 Floodproofing: Where a structure is located within a floodplain as determined by the building official or the governmental body having jurisdiction, such a structure must be designed to resist or overcome the anticipated flood conditions.

State Building Code Offices

Alabama

Director of Technical Staff
State Building Commission
800 South McDonough Street
Montgomery, Alabama 36104
(205) 832-3404

Arizona

Division of Mobile and
Manufactured Housing Standards
1645 West Jefferson
Phoenix, Arizona 85007
(602) 255-4072
(Recreational Vehicles & Mobile Homes)

Arkansas

State Building Services
700 Medical Arts Building
12th and Marshall
Little Rock, Arkansas 72202

California

Division of Codes and Standards
Department of Housing and
Community Development
921 Tenth Street
Sacramento, California 95814
(916) 445-9471
(Recreational Vehicles)

Connecticut

State Building Inspection
Department of Public Safety
294 Colony Street
Meriden, Connecticut 06450
(203) 238-6011

Georgia

Comptroller General
State Capitol, Room 238
Atlanta, Georgia 30334
(404) 656-2056

Hawaii

Department of Labor and
Industrial Relations
825 Miliani Street
Honolulu, Hawaii 96813
(808) 548-3150

Idaho

Director and Fire Marshal
Department of Labor and
Industrial Services
317 Main Street, Room 400
Boise, Idaho 83720

Illinois

Institute of Natural Resources
325 Adams Street
Room 300
Springfield, Illinois 62706
(217) 785-2002

Indiana

State Building Commissioner
300 Graphic Arts Building
215 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-1400

U.S. Army Corps of Engineers



Iowa

State Building Codes Commissioner
State Capitol Complex
523 East Twelfth Street
Des Moines, Iowa 50319
(515) 281-3807

Kansas

Architectural Services Division
Department of Administration
State Office Building
10 East Harrison
Topeka, Kansas 66612
(913) 296-3811

Kentucky

Commissioner
Department of Housing
Route 127 South
Frankfort, Kentucky 40601
(502) 564-8044

Maine

Department of Business Regulation
Station 35
State House
Augusta, Maine 04333
(207) 289-3916

Maryland

Director
Codes Administration
Maryland Department of Economic
and Community Development
2525 Riva Rd.
Annapolis, Maryland 21401
(301) 269-2701

**Massachusetts**

State Building Code Commission
McCormack State Office Building
1 Ashburton Place
Room 1305
Boston, Massachusetts 02108
(617) 727-6916
(Mobile Homes)

Michigan

Bureau of Construction Codes
Department of Labor
7150 Harris Drive
Lansing, Michigan 48909
(517) 322-1701
(Mobile Homes)

Minnesota

Department of Administration
200 State Administration Building
St. Paul, Minnesota 55155
(612) 296-3862

Missouri

Division of Mobile Homes
Missouri Public Service Commission
P.O. Box 360
Jefferson City, Missouri 65102
(314) 751-2557
(Recreational Vehicles & Mobile Homes)

Montana

Administrator, Building Codes Division
Department of Administration
State of Montana
Capitol Station
Helena, Montana 59601
(406) 449-3933

Nebraska

Division of Housing and
Environmental Health
301 Centennial Mall South
Lincoln, Nebraska 68509
(402) 471-2541
(Recreational Vehicles & Mobile Homes)

Nevada

Manufactured Housing Division
Department of Commerce
201 South Fall Street
Room 325
Carson City, Nevada 89710
(702) 885-4298
(Recreational Vehicles & Mobile Homes)

New Hampshire

State Fire Marshal
Department of Public Safety
James Hayes Safety Building
Hayes Drive
Concord, New Hampshire 03301
(603) 271-3336

New Jersey

Division of Housing
363 West State Street
Trenton, New Jersey 08625
(609) 292-7898

New Mexico

General Construction Bureau
Bataan Memorial Building
Santa Fe, New Mexico 87503
(505) 827-5571

New York

Housing and Building Codes Bureau
Division of Housing and
Community Renewal
Two World Trade Center
New York, New York 10047
(212) 488-7080

North Carolina

Deputy Commissioner of Insurance
North Carolina Department of Insurance
PO. Box 26387
Raleigh, North Carolina 27611
(919) 733-3901

Ohio

Board of Building Standards
PO. Box 825
2323 West 5th Avenue
Columbus, Ohio 43216
(614) 466-3316

Oklahoma

Engineering Department
State Board of Public Affairs
Room 306, State of Capitol
Oklahoma City, Oklahoma 73105
(405) 521-2121

Oregon

Building Codes Division
Department of Commerce
401 Labor and Industries Building
Salem, Oregon 97310
(503) 378-3176

Pennsylvania

Division of Industrialized and
Mobile Housing
Education Building, Room 503
P.O. Box 155
Harrisburg, Pennsylvania 17120
(717) 787-9682
(Mobile Homes)

Rhode Island

State Building Commissioner
State Building Commission
12 Humbert Street
North Providence, Rhode Island 02911
(401) 277-3032
(Mobile Homes)

Texas

Facilities Planning &
Construction Division
1028 Stephen F. Austin State
Office Building
Austin, Texas 78711
(512) 475-2270

Vermont

Department of Labor and Industry
120 State Street
Montpelier, Vermont 05602
(802) 828-2286

Virginia

Office of Uniform Building Code
Division of Building Regulatory
Services
205 North Fourth Street
Richmond, Virginia 23219
(804) 786-5041

Washington

Department of Labor & Industries
Building Construction Safety
Inspection Services
300 West Harrison Street
Room 504
Seattle, Washington 98119
(206) 464-7204

West Virginia

State Fire Marshal
2000 Quarrier Street
Charleston, West Virginia 25305
(304) 348-2191

Wisconsin

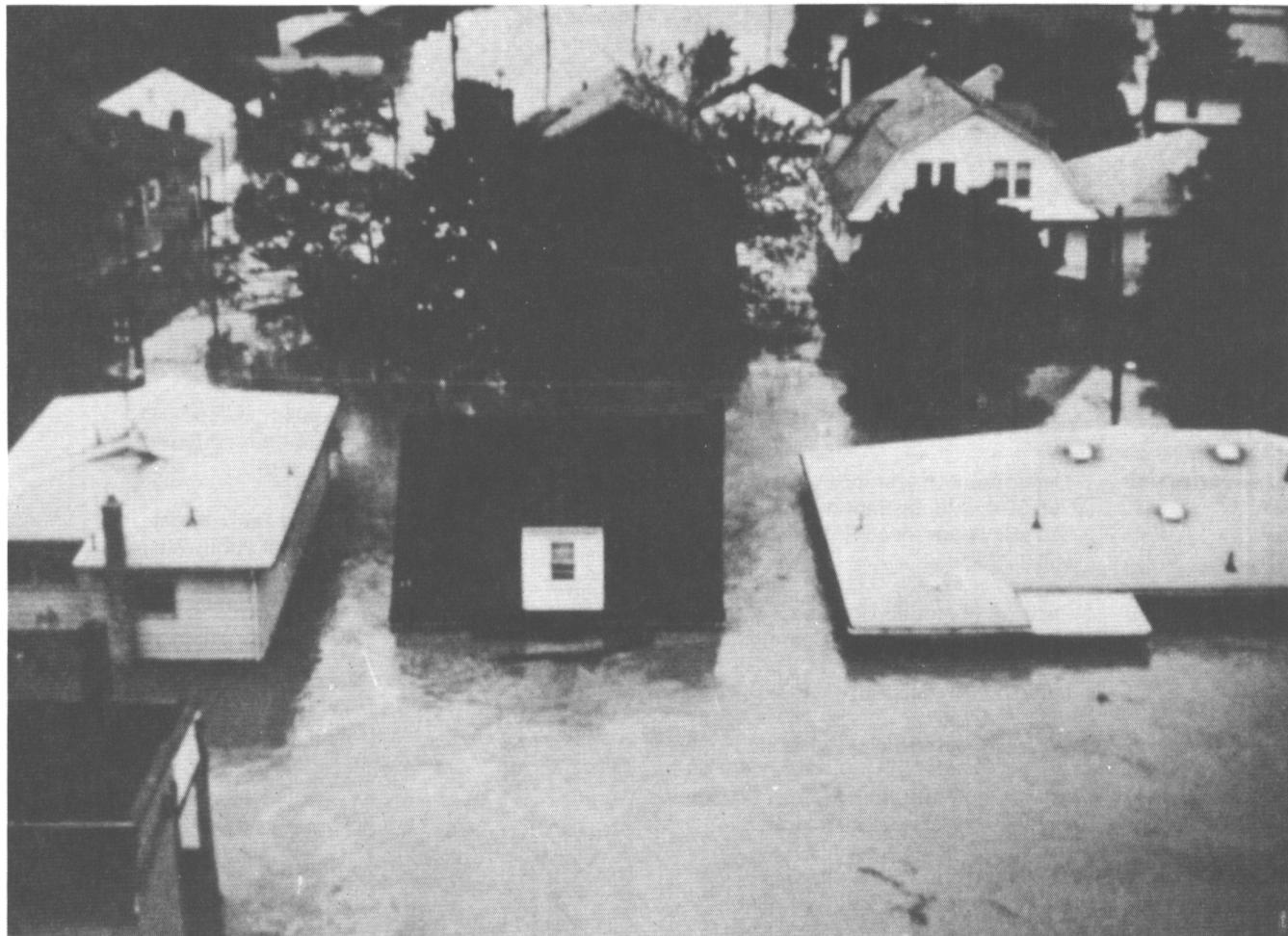
Safety and Building Division
Department of Industry, Labor &
Human Relations
P.O. Box 7969
Madison, Wisconsin 53707
(608) 266-7319

Wyoming

State Fire Marshal
Department of Fire Prevention and
Electrical Safety
720 West 18th Street
Cheyenne, Wyoming 82002
(307) 777-7288

Puerto Rico

Regulations and Permits Administration
P.O. Box 41179
Minillas Station
Santurce, Puerto Rico 00940
(809) 726-6200



U.S. Army Corps of Engineers

National Flood Insurance Program: Rules, Building and Insurance Rate Information

The National Flood Insurance Program (NFIP) is the principal administrative mechanism for reducing flood damage, providing an incentive to local governments to implement sound floodplain management controls. Using the limited availability of flood insurance as leverage, the NFIP has established requirements and guidelines for development in flood-prone areas. The rate structure of insurance premiums reinforces the intent of these regulations by charging higher insurance rates for buildings subject to greater hazard. Insurance rates are set on the basis of designated hazard zones and the elevation of the building or structure in relation to the Base Flood Elevation (BFE) in that particular zone. The effect of this differential rate structure is to provide an incentive to increase the safety of buildings beyond the minimum standards by giving significant financial benefits to buildings at higher elevations and in less hazardous zones. Insurance rates are an important element in analysis of life-cycle costs and can be the designer's best argument for proper siting and design of a proposed project.

It is thus vital that designers, before approaching any design, familiarize themselves with the nature and extent of the NFIP. This should specifically include those components of the NFIP rules and building and insurance rate information that can directly influence building design. This information can be obtained from local insurance agents, public officials and FEMA regional offices.

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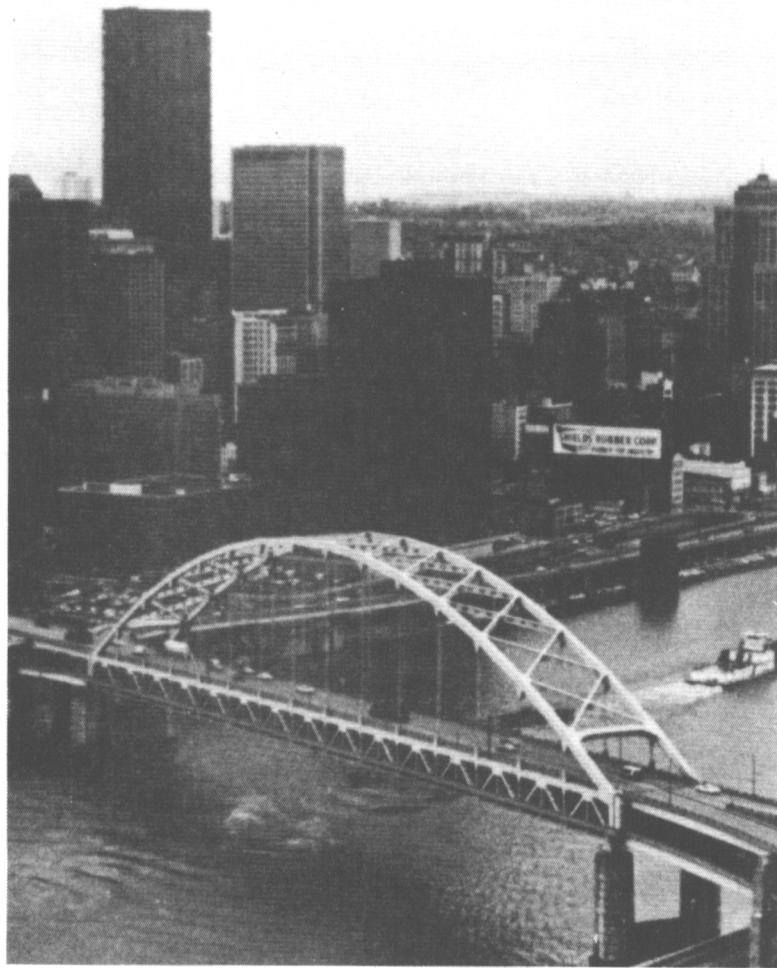
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